



































Conclusion

- Multimode beating greatly enhanced by taking output from part (e.g.,half) of output facet

 Simpler sources of microwave, millimeter wave of various frequencies generated by varying VCSEL diameter in a single multimode VCSEL or coupling of a few VCSELs
- Breathing frequency in multi-mode operation affects modulation response and bandwidth
- Optimizing RO frequency and mode beating frequency could potentially expand bandwidth suitable for wide band digital communication



